

Please add new claims 12-27.

- Rule 126*
- ~~11~~ 12. A cementing composition, comprising:
- (i) hydraulic binder;
  - (ii) dense particles having a density higher than that of the density of the hydraulic binder; and
  - (iii) reinforcing particles which:
    - comprise a material selected from the group consisting of rubber and flexible materials;
    - have a density of less than about  $1.5 \text{ g/cm}^3$ ;
    - are of low compressibility; and
    - have an average grain size of less than about  $600 \mu\text{m}$ .
- ~~12~~ 13. The cementing composition of claim 12, wherein the reinforcing particles have a density of less than  $1.2 \text{ g/cm}^3$ .
- ~~13~~ 14. The cementing composition of claim 12, wherein the dense particles comprise hematite particles.
- ~~14~~ 15. The cementing composition of claim 12, wherein the material comprising the reinforcing particles has a Young's modulus of less than 5000 MPa
- ~~15~~ 16. The cementing composition of claim 15, wherein the material comprising the reinforcing particles has a Young's modulus of less than 3000 MPa.
- ~~16~~ 17. The cementing composition of claim 16, wherein the material comprising the reinforcing particles has a Young's modulus of less than 2000 MPa.
- ~~17~~ 18. The cementing composition of claim 12, wherein the material comprising the reinforcing particles has a Poisson ratio of greater than 0.3.
- ~~18~~ 19. The cementing composition of claim 12, wherein the material comprising the reinforcing particles has an average particle size in the range of  $80 \mu\text{m}$  to  $600 \mu\text{m}$ .

- 19 ~~20~~. The cementing composition of claim 19, wherein the material comprising the reinforcing particles has an average particle size in the range of 100  $\mu\text{m}$  to 500  $\mu\text{m}$ .
- 20 ~~21~~. The cementing composition of claim 12, wherein the material comprising the reinforcing particles comprises a flexible material selected from the group consisting of polyamides, polypropylene, polyethylene, styrene butadiene and styrene divinylbenzene.
- 21 ~~22~~. The cementing composition of claim 12, comprising, by volume, 2% to 15% of dense particles, 5% to 20% of flexible particles, 20% to 45% of cement and 40% to 50% of mixing water.
- 22 ~~23~~. The cementing composition of claim 12, further comprising at least one additive selected from the group consisting of suspension agents, dispersing agents, anti-foaming agents, retarders, setting accelerators, fluid loss control agents, gas migration control agents and expansion agents.
- 23 ~~24~~. <sup>A!!!</sup> The method of cementing a zone of a well, comprising pumping into the well a cementing composition, comprising:
- (i) hydraulic binder;
  - (ii) dense particles having a density higher than that of the density of the hydraulic binder; and
  - (iii) reinforcing particles which:
    - comprise a material selected from the group consisting of rubber and flexible materials;
    - have a density of less than about 1.5  $\text{g}/\text{cm}^3$ ;
    - are of low compressibility; and
    - have an average grain size of less than about 600  $\mu\text{m}$ .
- 24 ~~25~~. The method of claim 24, wherein the cementing composition is pumped into a perforation zone.

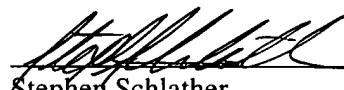
~~25~~ 26. The method of claim 24, wherein the cementing composition is pumped into a junction of a multilateral well.

26 27. <sup>a</sup> The method of setting a cement plug, comprising pumping into a well, a cementing composition, comprising:

- (i) hydraulic binder;
- (ii) dense particles having a density higher than that of the density of the hydraulic binder; and
- (iii) reinforcing particles which:
  - comprise a material selected from the group consisting of rubber and flexible materials;
  - have a density of less than about 1.5 g/cm<sup>3</sup>;
  - are of low compressibility; and
  - have an average grain size of less than about 600 µm.

The Commissioner is hereby authorized to charge or credit any fees to Deposit Account 04-1579(55.0209PCT/US).

Respectfully submitted,



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